

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	46	((william near2 bertrand) (lori near2 speckman)).in.	US-PGPUB; USPAT; USOCR; FFRS; EPC; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/08 11:31
S2	13	US-1152200-\$.D.ID. OR US-312003D-\$.D.ID. OR US-5637083-\$.D.ID. OR US-5879297-\$.D.ID. OR US-6129668-\$.D.ID. OR US-6216028-\$.D.ID. OR US-6263230-\$.D.ID. OR US-20020022793-\$.D.ID.	US-PGPUB; USPAT; USOCR; FFRS; EPC; JPO; DERWENT	OR	OFF	2009/12/08 11:38
S3	14	US-1023310-\$.D.ID. OR US-3902252-\$.D.ID. OR US-5643194-\$.D.ID. OR US-20050096579-\$.D.ID. OR US-20050022403-\$.D.ID. OR US-20020022793-\$.D.ID. OR US-1092450-\$.D.ID. OR EP-2858239-\$.D.ID.	US-PGPUB; USPAT; USOCR; FFRS; EPC; JPO; DERWENT	OR	OFF	2009/12/08 11:41
S4	14722	medtronic.as.	US-PGPUB; USPAT; USOCR; FFRS; EPC; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/08 11:46
S5	3098	medtronic.as. and (locat\$3 same implant\$4)	US-PGPUB; USPAT; USOCR; FFRS; EPC; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/08 11:47
S6	1040	medtronic.as. and (locat\$3 same implant\$4) and magnet\$2	US-PGPUB; USPAT; USOCR; FFRS; EPC; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/08 11:47

S7	160	medtronic.as. and (locat\$3 same implant\$4 same magnet\$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/08 11:47
S8	3827	(implant\$4 same locat\$3 same (magnet\$2 or electro\$1magnet\$2))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/12/08 11:53
S9	277	(implant\$4 same locat\$3 same (magnet\$2 or electro\$1magnet\$2)) (flow with controllable or control\$4) with valve)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/12/08 11:54
S10	64	(implant\$4 same locat\$3 same (magnet\$2 or electro\$1magnet\$2)) (flow with controllable or control\$4) with valve) (magnet\$2 with orient\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/12/08 11:55
S11	64	(implant\$4 same locat\$3 same (magnet\$2 or electro\$1magnet\$2)) (flow with controllable or control\$4) with valve) (magnet\$2 with orient\$5) (control\$4 or processor or computer or micro\$1control\$4 or micro\$1processor or micro \$1computer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/12/08 14:00
S12	44	(implant\$4 same locat\$3 same (magnet\$2 or electro\$1magnet\$2)) (flow with controllable or control\$4) with valve) (magnet\$2 with orient\$5) (processor or computer or micro\$1control\$4 or micro\$1processor or micro\$1computer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/12/08 14:01
S13	46	(implant\$4 same locat\$3 same (magnet\$2 or electro\$1magnet\$2)) (flow with controllable or control\$4) with valve) (magnet\$2 with orient\$5) (controller or processor or computer or micro\$1control\$4 or micro\$1processor or micro \$1computer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/12/08 14:01

S14	26	(US-20020022793-\$ or US-20020026139-\$ or US-20050096579-\$ or US-20050092335-\$ or US-20080221436-\$ or US-20050022403-\$).did. or (US-5637083-\$ or US-5879297-\$ or US-6129668-\$ or US-6216028-\$ or US-6263230-\$ or US-5643194-\$ or US-6305381-\$ or US-6883241-\$ or US-6951059-\$ or US-5676651-\$).did. or (EP-1177002-\$).did. or (WO-0054826-\$ or US-5637083-\$ or WO-0027281-\$ or WO-9849338-\$ or US-6129668-\$ or EP-688575-\$ or FR-2861599-\$ or FR-2858239-\$ or FR-2861569-\$).did.	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2009/12/08 14:04
S15	13	S14 (processor or controller or micro\$1processor or micro\$1controller or computer or micro\$1computer)	US-PGPUB; USPAT; EPO; DERWENT	AND	ON	2009/12/08 14:07
S16	7	S14 (processor or controller or micro\$1processor or micro\$1controller or computer or micro\$1computer) (flow or valve)	US-PGPUB; USPAT; EPO; DERWENT	AND	ON	2009/12/08 14:08
S17	7	S14 (processor or controller or micro\$1processor or micro\$1controller or computer or micro\$1computer) (flow or valve) (background or ambient)	US-PGPUB; USPAT; EPO; DERWENT	AND	ON	2009/12/08 14:16
S18	4	S14 (processor or controller or micro\$1processor or micro\$1controller or computer or micro\$1computer) (flow or valve) ((background or ambient) with magnet\$2)	US-PGPUB; USPAT; EPO; DERWENT	AND	ON	2009/12/08 14:16
S19	21	(implant\$4 same locat\$3 same (magnet\$2 or electro\$1magnet\$2)) (flow with (controllable or control\$4) with valve) (magnet\$2 with orient\$5) (controller or processor or computer or micro\$1control\$4 or micro\$1processor or micro\$1computer) ((background or ambient or noise) with magnet\$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/12/08 14:17
S20	581	(128/699).CCL.S.	USPAT; USOCR	OR	OFF	2009/12/08 14:47
S21	155	S20 (magnet\$2 with locat\$3)	US-PGPUB; USPAT; USOCR	AND	ON	2009/12/08 15:59
S22	45	S20 (magnet\$2 with locat\$3) (valve or shunt or (flow with control\$4))	US-PGPUB; USPAT; USOCR	AND	ON	2009/12/08 15:59
S23	28	S20 (magnet\$2 with locat\$3) (valve or shunt or (flow with control\$4)) (processor or controller or micro\$1processor or micro\$1controller or computer)	US-PGPUB; USPAT; USOCR	AND	ON	2009/12/08 16:00
S24	581	(128/699).CCL.S.	USPAT; USOCR	OR	OFF	2009/12/09 15:10
S25	155	S24 (magnet\$2 with locat\$3)	US-PGPUB; USPAT; USOCR	AND	ON	2009/12/09 15:10
S26	45	S24 (magnet\$2 with locat\$3) (valve or shunt or (flow with control\$4))	US-PGPUB; USPAT; USOCR	AND	ON	2009/12/09 15:10

S27	1	((S25 or S26) ((subtract\$3 or difference or eliminat\$3 or remov\$4) with (ambient or environment\$2 or background) with magnet\$2)	US-PGPUB; USPAT; USOCR	AND	ON	2009/12/09 15:10
S28	29	((implant\$4 same (electro\$1magnet\$2 or magnet\$2) same (locat\$3 or guid\$4 or navigat\$3)) ((subtract\$3 or difference or eliminat\$3 or remov\$4) with (ambient or environment\$2 or background) with magnet\$2)	US-PGPUB; USPAT; USOCR	AND	ON	2009/12/09 15:11
S29	30	((implant\$4 same (electro\$1magnet\$2 or magnet\$2) same (locat\$3 or guid\$4 or navigat\$3)) ((subtract\$3 or difference or eliminat\$3 or remov\$4) with (ambient or environment\$2 or background) with magnet\$2)	US-PGPUB; USPAT; USOCR; FFRS; EPC; JPO; DERWENT; IBM_TDB	AND	ON	2009/12/09 15:12
S30	36	((implant\$4 same (electro\$1magnet\$2 or magnet\$2) same (locat\$3 or guid\$4 or navigat\$3)) ((subtract\$3 or difference or eliminat\$3 or remov\$4) with (ambient or environment\$2 or noise or background) with magnet\$2)	US-PGPUB; USPAT; USOCR; FFRS; EPC; JPO; DERWENT; IBM_TDB	AND	ON	2009/12/09 15:17
S31	24576	((subtract\$3 or difference or eliminat\$3 or remov\$4) with (ambient or environment\$2 or noise or background) with magnet\$2)	US-PGPUB; USPAT; USOCR; FFRS; EPC; JPO; DERWENT; IBM_TDB	AND	ON	2009/12/09 15:20
S32	21738	((electro\$1magnet\$2 or magnet\$2) with sensor or detect\$3 or locat\$3) ((subtract\$3 or difference or eliminat\$3 or remov\$4) with (ambient or environment\$2 or noise or background) with magnet\$2)	US-PGPUB; USPAT; USOCR; FFRS; EPC; JPO; DERWENT; IBM_TDB	AND	ON	2009/12/09 15:21
S33	324	((electro\$1magnet\$2 or magnet\$2) with sensor or detect\$3 or locat\$3) (subtract\$3 with (ambient or environment\$2 or noise or background) with magnet\$2)	US-PGPUB; USPAT; USOCR; FFRS; EPC; JPO; DERWENT; IBM_TDB	AND	ON	2009/12/09 15:21
S34	566	(604/9).CCL.S.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/10 10:36
S35	1136	(600/424).CCL.S.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/10 11:05
S36	972	S35 (electro\$1magnet\$2 or magnet\$2)	US-PGPUB; USPAT; USOCR	AND	ON	2009/12/10 11:06

S37	1141	(S34 or S35) (electro\$1magnet\$2 or magnet\$2)	US-PGPUB; USPAT; USOCR	AND	ON	2009/12/10 11:19
S38	764	(S34 or S35) ((electro\$1magnet\$2 or magnet\$2) same (locat\$3 or orientat\$3))	US-PGPUB; USPAT; USOCR	AND	ON	2009/12/10 11:19
S39	708	(S34 or S35) ((electro\$1magnet\$2 or magnet\$2) same (locat\$3 or orientat\$3)) (process\$3 or micro\$1processor or micro\$1controller or computer or controller)	US-PGPUB; USPAT; USOCR	AND	ON	2009/12/10 11:19
S40	573	(S34 or S35) ((electro\$1magnet\$2 or magnet\$2) with (locat\$3 or orientat\$3)) (process\$3 or micro\$1processor or micro\$1controller or computer or controller)	US-PGPUB; USPAT; USOCR	AND	ON	2009/12/10 11:20
S41	274	(S34 or S35) ((electro\$1magnet\$2 or magnet\$2) with (locat\$3 or orientat\$3)) same (process\$3 or micro\$1processor or micro\$1controller or computer or controller)	US-PGPUB; USPAT; USOCR	AND	ON	2009/12/10 11:20
S42	96	(S34 or S35) (((electro\$1magnet\$2 or magnet\$2) with (locat\$3 or orientat\$3)) same (process\$3 or micro\$1processor or micro\$1controller or computer or controller)) ((electro\$1magnet\$2 or magnet\$2) with (compensat\$3 or correct\$3 or error))	US-PGPUB; USPAT; USOCR	AND	ON	2009/12/10 11:21
S43	17	(S34 or S35) (((electro\$1magnet\$2 or magnet\$2) with (locat\$3 or orientat\$3)) same (process\$3 or micro\$1processor or micro\$1controller or computer or controller)) (((electro\$1magnet\$2 or magnet\$2) with (compensat\$3 or correct\$3 or error)) same subtract\$3)	US-PGPUB; USPAT; USOCR	AND	ON	2009/12/10 11:21
S47	593	(128/899).CCL.S.	USPAT; USOCR	OR	OFF	2010/06/08 13:46
S48	589	(604/9).CCL.S.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/06/08 13:52
S49	1270	(600/424).CCL.S.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/06/08 13:53
S50	95	(S47 or S48 or S49) (implant\$4 with (valve or flow or port or reservoir)) ((location or position) same orientation)	US-PGPUB; USPAT; USOCR	AND	ON	2010/06/08 14:02
S51	32	(S47 or S48 or S49) (implant\$4 with (valve or flow or port or reservoir)) ((location or position) same orientation same (magnet\$2 or magnetic\$4))	US-PGPUB; USPAT; USOCR	AND	ON	2010/06/08 14:03
S54	318	(implant\$4 with (valve or flow or port or reservoir)) ((location or position) same orientation same (magnet\$2 or magnetic\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2010/12/03 13:34
S56	175	(implant\$4 with (valve or flow or port or reservoir)) ((location or position) same orientation same (magnet\$2 or magnetic\$4)) (syringe or needle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2010/12/03 13:34

S57	610	(128/898).CQLS.	USPAT; USOCR	OR	OFF	2010/12/03 13:36
S58	637	(604/9).CQLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/12/03 13:36
S59	1463	(600/424).CQLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/12/03 13:36
S60	17	(S57 or S58 or S59) (implant\$4 with (valve or flow or port or reservoir)) ((location or position) same orientation same (magnet\$2 or magnetic\$4)) syringe or needle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2010/12/03 13:36
S62	6077	(128/897-898).CQLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/05/19 08:21
S63	6640	(324/207.11-207.17,207.22,207.26,228,232,233,326,329,345,347,348).CQLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/05/19 08:26
S64	2647	(604/8-10,247,248).CQLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/05/19 08:28
S65	214	(S62 or S64) (implant\$4 same ((flow or fluid) with (control\$4 or valv\$3))) magnet\$2	US-PGPUB; USPAT; USOCR	AND	ON	2011/05/19 08:31
S66	71	(S62 or S64) (implant\$4 same ((flow or fluid) with (control\$4 or valv\$3))) ((magnet\$2 or electro\$1magnet\$2) same (valv\$3 with (set\$4 or position\$3)))	US-PGPUB; USPAT; USOCR	AND	ON	2011/05/19 08:32
S67	12	(S62 or S64) (implant\$4 same ((flow or fluid) with (control\$4 or valv\$3))) ((magnet\$2 or electro\$1magnet\$2) same (valv\$3 with (set\$4 or position\$3))) ((measur\$5 or detect\$4 or sens\$3) with (magnet\$2 or electro\$1magnet\$2) with (field or flux))	US-PGPUB; USPAT; USOCR	AND	ON	2011/05/19 08:33
S68	3116	S63 (((magnet\$2 or electro\$1magnet\$2) with (detect\$4 or sens\$3 or measur\$5) with (field or flux)) same (position\$4 or locat\$4 or orient\$5))	US-PGPUB; USPAT; USOCR	AND	ON	2011/05/19 08:57
S69	2850	S63 (((magnet\$2 or electro\$1magnet\$2) with (detect\$4 or sens\$3 or measur\$5) with (field or flux)) same (position\$4 or locat\$4 or orient\$5)) (computer or process\$3 or micro\$1computer or micro\$1process\$3 or control\$4 or micro \$1control\$4)	US-PGPUB; USPAT; USOCR	AND	ON	2011/05/19 08:59
S70	36	S63 (((magnet\$2 or electro\$1magnet\$2) with (detect\$4 or sens\$3 or measur\$5) with (field or flux)) same (position\$4 or locat\$4 or orient\$5)) (computer or process\$3 or micro\$1computer or micro\$1process\$3 or control\$4 or micro \$1control\$4) ((subtract\$4 or remov\$3 or difference) with ((ambient or background) with (field or flux)))	US-PGPUB; USPAT; USOCR	AND	ON	2011/05/19 08:59
S71	630	(128/899).CQLS.	USPAT; USOCR	OR	OFF	2011/05/19 09:26

S72	678	{604/9}.CQLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/05/19 09:30
S73	1591	{600/424}.CQLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/05/19 10:52
S74	201	{S71 or S72 or S73} (implant\$4 same ((flow or fluid) with (control\$4 or valv\$3))) magnet\$2	US-PGPUB; USPAT; USOCR	AND	ON	2011/05/19 11:32
S75	68	{S71 or S72 or S73} (implant\$4 same ((flow or fluid) with (control\$4 or valv\$3))) ((magnet\$2 or electro\$1magnet\$2) same (valv\$3 with (set\$4 or position\$3)))	US-PGPUB; USPAT; USOCR	AND	ON	2011/05/19 11:34
S76	6	{S71 or S72 or S73} (implant\$4 same ((flow or fluid) with (control\$4 or valv\$3))) ((magnet\$2 or electro\$1magnet\$2) same (valv\$3 with (set\$4 or position\$3))) ((background or ambient) with (field or flux))	US-PGPUB; USPAT; USOCR	AND	ON	2011/05/19 11:34

## EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S44	302	{valve magnet\$2 locat\$3 orientat\$3}.clm.	US-PGPUB; USPAT; UPAD	AND	ON	2009/12/10 10:15
S45	26	{implant\$4 valve magnet\$2 locat\$3 orientat\$3}.clm.	US-PGPUB; USPAT; UPAD	AND	ON	2009/12/10 10:16
S46	6	{implant\$4 valve magnet\$2 locat\$3 orientat\$3 (process\$3 or micro\$1processor or computer or micro\$1controller or controller)).clm.	US-PGPUB; USPAT; UPAD	AND	ON	2009/12/10 10:16
S52	6	{implant\$4 valve magnet\$2 locat\$3 orientat\$3 (process\$3 or micro\$1processor or computer or micro\$1controller or controller)).clm.	US-PGPUB; USPAT	AND	ON	2010/06/08 14:05
S53	1	{implant\$4 valve magnet\$2 locat\$3 orientat\$3 (process\$3 or micro\$1processor or computer or micro\$1controller or controller) target background).clm.	US-PGPUB; USPAT	AND	ON	2010/06/08 14:05
S61	1	{implant\$4 valve magnet\$2 locat\$3 orientat\$3 (process\$3 or micro\$1processor or computer or micro\$1controller or controller) target background).clm.	US-PGPUB; USPAT	AND	ON	2010/12/03 16:13
S77	1	{implant\$4 valve magnet\$2 locat\$3 orientat\$3 (process\$3 or micro\$1processor or computer or micro\$1controller or controller) target (ambient or background)).clm.	US-PGPUB; USPAT	AND	ON	2011/05/19 11:16

5/ 20/ 2011 5:26:46 PM

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